

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031


U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitution for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/925,193
		Filing Date	August 9, 2001
		First Named Inventor	WINDER et al.
		Group Art Unit	3736
		Examiner Name	
		Attorney Docket Number	41482/253466

Sheet 1 of 3

**U.S. PATENT DOCUMENTS**

Examine r Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-1,063,782	06-03-1913	G.O. & C.A. Dickey	
		US-2,914,829	12-01-1959	L.F. Willemain	
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	US-2003/0153849	08-14-2003	Huckle		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

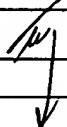
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Sheet 2 of 3

**Complete if Known**

Application Number	09/925,193
Filing Date	August 9, 2001
First Named Inventor	WINDER et al
Art Unit	3736
Examiner Name	David J. Isabella
Attorney Docket Number	41482/253466

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number- Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2004/0127790 A1	07-01-2004	Lang et al.	
		US-2005/0096548 A1	05-05-2005	Talish	
		D380440	07-01-1997	Talish et al.	

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Sheet 3 of 3

**Complete if Known**

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Art Unit	3736
Examiner Name	David J. Isabella
Attorney Docket Number	41482/253466

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Photographs of Vibrations Platform Built by Julio Tous, Universitat Ramon Llull, Barcelona, Spain (7 pages, 2002)	
		Photographs of Exercise Ergometer Developed by Biodex Medical Systems, Shirley, New York (3 pages, 2002)	
		"Generation of Electric Potentials by Bone in Response to Mechanical Stress," <i>Science Magazine</i> , 137, 1063-1064 (09/28/02)	

Examiner Signature		Date Considered	9-21-06
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This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT BY APPLICANT**

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Application Number	09/925,193
Date Filed:	August 9, 2001
First Named Inventor	Winder
Group Art Unit	3736
Examiner Name	
Attorney Docket Number	41482/253466

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**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
[Signature]		6,258,020 B1	07/10/2001	Lopez	
		6,050,943	04/18/2000	Slayton, et al.	

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Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
[Signature]		WO 00/67846	11/16/2000	PCT		

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner Signature	[Signature]	Date Considered	9-21-06
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 2

**Complete if Known**

Application Number	09/925,193
Filing Date	August 9, 2001
First Named Inventor	Talish et al.
Group Art Unit	3736
Examiner Name	
Attorney Docket Number	41482-253466

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TECHNOLOGY CENTER R3700**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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		Caplan, et al., <i>Clinical Orthopaedics and Related Research</i> , No. 342:254-269 (1997)	
		Moran, et al., <i>The Journal of Bone and Joint Surgery</i> , 74-B:659-667 (1992)	

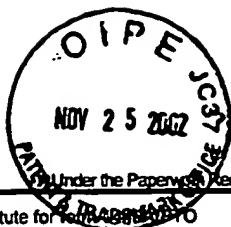
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		Application Number	09/925,193		
		Filing Date	August 9, 2001		
		First Named Inventor	Talish, et al.		
		Group Art Unit	3736		
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	41482-253466

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
[Signature]		US- 4,476,847	10/16/84	Taenzer, et al.	
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		US-6,022,349	02/08/00	McLeod, et al.	
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		US- 6,360,027	03/19/02	Hossack, et al.	

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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
[Signature]		WO 85/03449	08/15/85	Ben-Dov		
		DE 4111055 A1	10/10/91	Ronge jun.		
		DE 29811185 U1	10/01/98	Rhee		
		WO 00/03663*	01/27/00	Hagenmeyer		
		AU 19950292	02/07/00	Hagenmeyer		
		WO 00/76406	12/21/00	Winder et al.		

\*For English version see related Australian Application No. 19950292

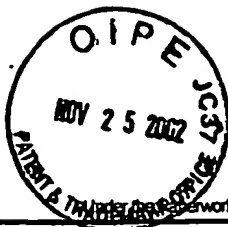
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<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of.





PTO/SB/088(10-01)  
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/925,193
		Filing Date	August 9, 2001
		First Named Inventor	Talish et al.
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Sheet 2 of 2	Attorney Docket Number 41482-253466		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
[Signature]	-	Pethica, B.A., et al., Abstract, Biological Repair and Growth Society, June 1998.	
	-	Goodship, et al., "Low magnitude high frequency mechanical stimulation of endochondral bone repair" 43 <sup>rd</sup> Annual Meeting Orthopaedic Research Society, vol. 22, Sec. 1, Feb. 9-13 (1997)	
	-	Y. Qin, et al., "Correlation of In Vivo Bone Adaptation and Mechanical Parameters Using Low Magnitude, High Frequency Loading," 41 <sup>st</sup> Annual Meeting Orthopaedic Research Soc., vol. 20 – Sec. 1, Feb. 13-16 (1995)	
	-	Grewe, et al., "Acoustic Properties of Particle Polymer Composite for Ultrasonic Transducer Backing Applications," IEEE, (1990)	
	-	Wu and Cubberly, "Measurement of Velocity and Attenuation of Shear Waves in Bovine Compact Bone Using Ultrasonic Spectroscopy," Med. & Biol., Vol. 23, No. 1, 129-134, 1997.	
	-	Pilla, et al., "Non-Invasive Low-Intensity Pulsed Ultrasound Accelerates Bone Healing in the Rabbit," Journal of Orthopaedic Trauma, Vol. 4, No. 3, pp. 246-253 (1990)	
	-	Bascom, "Other Continuous Fibers," 118/Constituent Material Form	
	-	Bascom, "Other Discontinuous Forms," 120/Constituent Material Forms	
[Signature]		Niemczewski, B., "A Comparison of Ultrasonic Cavitation Intensity in Liquids," Ultrasonics, May 1980, pp. 107-110.	

Examiner Signature [Signature]	Date Considered 9-21-06
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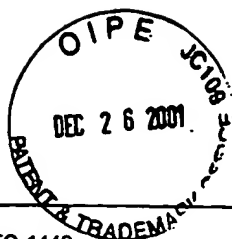


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Sheet 1 of 10

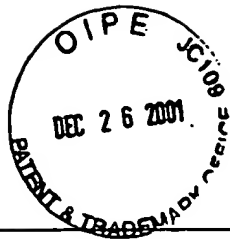
Form PTO-1449		Docket No.: 41482-253466		Application No. 09/925,193		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Winder et al.		RECEIVED DEC 27 2001		
		Filing Date: August 9, 2001		Group Art Unit: 27 2001		
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent Number	Date	Patentee	Class	Subclass	
[Signature]	32,782	11/15/88	Pratt, Jr.			
	34,959	05/30/95	Potts			
	3,134,451	05/26/64	Hanssen			
	3,193,034	07/06/65	Hutchinson, et al.			
	3,310,049	03/21/67	Clynes			
	3,433,663	03/18/69	Underwood			
	3,499,437	03/10/70	Balamuth			
	3,550,586	12/29/70	Balamuth			
	3,594,993	07/27/71	Heyse			
	3,701,352	10/31/72	Bosworth			
	3,760,799	09/25/73	Crowson			
	3,767,195	10/23/73	Dimick			
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	3,855,638	12/24/74	Pilliar			
	3,961,380	06/08/76	Garr			
	3,986,212	10/19/76	Sauer			
	4,105,017	08/08/78	Ryaby et al.			
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	4,164,794	08/21/79	Spector, et al.			
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	4,176,664	12/04/79	Talish			
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	4,227,111	10/07/80	Cross, et al.			
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	4,269,797	05/26/81	Mikiya, et al.			
	4,296,753	10/27/81	Goudin			
	4,312,536	01/26/82	Lloyd			
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	4,358,105	11/09/82	Sweeney, Jr.			
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4,383,533	05/17/83	Bhagat et al.				
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Examiner: [Signature]			Date Considered: 9-21-06			
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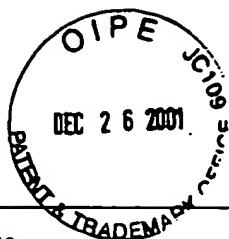
Sheet 2 of 10

Form PTO-1449		Docket No.: 41482-253466		Application No. 7 2001 09/925,193		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Winder et al.		TECHNOLOGY CENTER R3700		
		Filing Date: August 9, 2001		Group Art Unit		
U.S. PATENT DOCUMENTS						
Examiner Initial		Patent Number	Date	Patentee	Class	Subclass
A		4,440,025	04/03/84	Hayakawa, et al.		
		4,441,486	04/10/84	Pounds		
		4,446,586	05/08/84	Reed et al.		
		4,452,326	06/05/84	Hanssen, et al.		
		4,511,921	04/16/85	Harlan et al.		
		4,530,360	07/23/85	Duarte		
		4,536,894	08/27/85	Galante, et al.		
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		4,708,127	11/24/87	Abdelghani		
		4,770,184	09/13/88	Greene, Jr. et al.		
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		4,792,336	12/20/88	Hlavacek, et al.		
		4,802,477	02/07/89	Gabbay		
		4,830,015	05/16/89	Okazaki		
		4,836,316	06/06/89	Carnevale, et al.		
		4,855,911	08/08/89	Lele et al.		
	4,858,599	08/22/89	Halpern			
	4,867,169	09/19/89	Machida et al.			
Examiner:	Date Considered:			9-21-06		
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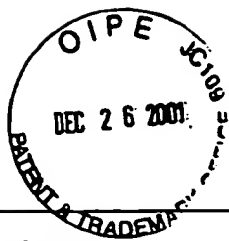
Sheet 3 of 10

Form PTO-1449		Docket No.: 41482-253466		Application No. 09/925,193		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Winder et al.		RECEIVED DEC 27 2001 TECHNOLOGY		
		Filing Date: August 9, 2001		Group Art Unit		
U.S. PATENT DOCUMENTS						
Examiner Initial		Patent Number	Date	Patentee	Class	Subclass
M		4,891,849	01/09/90	Robinson		
		4,905,671	03/06/90	Senge et al.		
		4,913,157	04/03/90	Pratt, Jr. et al.		
		4,917,092	04/17/90	Todd, et al.		
		4,926,870	05/22/90	Brandenburger		
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		4,933,230	06/12/90	Card, et al.		
		4,936,303	06/26/90	Detwiler et al.		
		4,941,474	07/17/90	Pratt, Jr.		
		4,947,853	08/14/90	Hon		
		4,979,501	12/25/90	Valchanov et al.		
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		4,986,275	01/22/91	Ishida et al.		
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		5,003,965	04/02/91	Talish et al.		
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		5,016,641	05/21/91	Schwartz		
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		5,100,373	03/31/92	Liboff et al.		
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	5,108,452	04/28/92	Fallin			
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	5,134,999	08/04/92	Osipov			
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Examiner: 			Date Considered: 9-21-06			
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Form PTO-1449		Docket No.: 41482-253466	Application No.: 09/925,193	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Winder et al.		DEC 27 2001
		Filing Date: August 9, 2001	Group Art Unit: TECHNOLOGY CENTER R3700	
U.S. PATENT DOCUMENTS				
Examiner Initial	Patent Number	Date	Patentee	Class Subclass
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	5,163,598	11/17/92	Peters, et al.	
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	5,184,605	02/09/93	Grzeszykowski	
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Examiner: 	Date Considered: 9-21-06			
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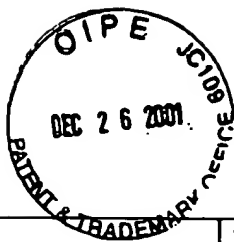
Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Docket No.: 41482-253466		Application No.: 09/925,193		
		Applicant: Winder et al.				
		Filing Date: August 9, 2001		Group Art Unit		
U.S. PATENT DOCUMENTS						
Examiner Initial		Patent Number	Date	Patentee	Class	Subclass
M1		5,363,850	11/15/94	Soni et al.		
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Examiner:			Date Considered: 9-21-06			
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Form PTO-1449		Docket No.: 41482-253466		Application No. 09/925,193		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Winder et al.		Filing Date: August 9, 2001		
		Group Art Unit TECHNOLOGY CENTER		DEC 27 2001		
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent Number	Date	Patentee	Class	Subclass	
Sub.	5,615,466	04/01/97	Safari, et al.			
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	5,743,862	04/28/98	Izumi			
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Examiner:	Date Considered:		9-21-06			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						






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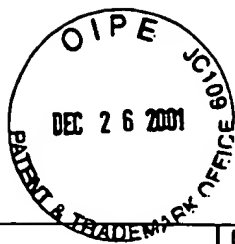
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Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: <b>41482-253466</b>	Application No.: <b>09/925,193</b>
	Applicant: <b>Winder et al.</b>	
	Filing Date: <b>August 9, 2001</b>	Group Art Unit:

NON U.S. DOCUMENTS							
Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation
✓		2156983A	10/16/85	UK			
		0 181 506 A2	05/21/86	Europe			
		SHO 62[1987]-47359	03/02/87	JAPAN			
		DE 3639263 A1	06/25/87	Germany			
		WO 88/00845	02/11/88	PCT			
		WO 88/02250	04/07/88	PCT			
		331 348 A1	09/06/89	Europe			
	**	Patent Abstracts vol. 013, n. 541 (E-854)	12/05/89	Japan			
		WO 90/06720	06/28/90	PCT			
	**	HEI 4[1992]-82567	03/16/92	JAPAN			
		HEI 4[1992]-82568	03/16/92	JAPAN			
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		2277448A	11/02/94	UK			
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		WO 95/33416	12/14/95	PCT			
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		2 303 552 A	02/26/97	UK			
		WO 97/33649	09/18/97	PCT			
		WO 98/10729	03/19/98	PCT			
		WO 98/34578	08/13/98	PCT			
		WO 98/47570	10/29/98	PCT			
		WO 99/18876	04/22/99	PCT			
		WO 99/22652	05/14/99	PCT			
		WO 99/48621	09/30/99	PCT			
		WO 99/56829	11/11/99	PCT			
		WO 00/28925	05/25/00	PCT			
		WO 00/71207	11/30/00	PCT			

Examiner: 	Date Considered: <b>9-21-06</b>
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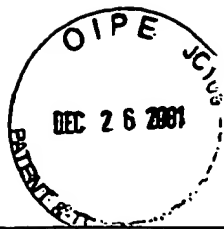
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Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket No.: 41482-253466	Application No. 09/525,193
	Applicant: Winder et al.	
	Filing Date: August 9, 2001	Group Art Unit

OTHER MATERIAL	
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
	ABSTRACT, (Proceedings of the 11 <sup>th</sup> Int'l. Conference on Medical and Biological Engineering) "ULTRASONIC STIMULATION OF FRACTURE HEALING", 1976.
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Form PTO-1449		Docket No.: 41482-253466	Application No. 09/925,193
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)		Applicant: Winder et al.	
		Filing Date: August 9, 2001	Group Art Unit
<b>OTHER MATERIAL</b>			
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<i>[Signature]</i>	"Treatment of Osteochondral Defects in Rabbits with SAFHS – Parts I and II, EX1095-01R, EX1096-01R		
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Examiner:	<i>[Signature]</i>		Date Considered: 9-21-06
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			



Sheet 10 of 10

Form PTO-1449		Docket No.: 41482-253466	Application No. 09/925,193
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant: Winder et al.	
		Filing Date: August 9, 2001	Group Art Unit
<b>OTHER MATERIAL</b>			
Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
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